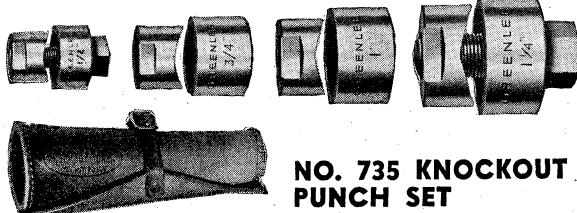


TOOLS FOR CRAFTSMEN



# KNOCKOUT PUNCHES AND CUTTERS

Greenlee Tool Co., Rockford, Illinois

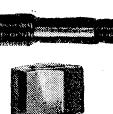


## NO. 735 KNOCKOUT PUNCH SET

Designed primarily for the electrical trade to permit fast, easy enlarging of knockouts and cutting of holes for conduit in metal boxes and cabinets. Also excellent for automobile work where holes are needed for heater pipes and other accessories. Simply insert the tool in a knockout or small drilled hole and give the screw a few turns with an ordinary wrench. No. 735 set has four punches for cutting  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $1\frac{1}{4}$ -inch holes for  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ -inch conduit. Set is neatly packed in leather case illustrated. The  $\frac{1}{2}$ -inch punch will cut a  $\frac{7}{8}$ -inch hole for  $\frac{1}{2}$ -inch conduit where no standard knockout is provided when a  $\frac{7}{16}$  hole is drilled.

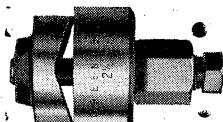
## Heavy Duty Drive for $\frac{1}{2}$ " Punch

To increase length of service of the  $\frac{1}{2}$ -inch Knockout Punch in cutting  $\frac{7}{8}$ -inch holes in heavier-gauge sheet metals, the No. KR5 Drive Screw with No. KR4 Drive Nut illustrated is recommended.



## NO. 737 KNOCKOUT PUNCH SET

Similar to the No. 735 set, but consists of only two punches for cutting holes to accommodate  $1\frac{1}{2}$ " and 2" conduit. Packed in leather case.

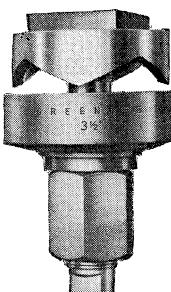


## NOS. 738 AND 739 KNOCKOUT PUNCHES

For cutting holes to accommodate  $2\frac{1}{2}$ " and 3" conduit. Design is similar to that of smaller GREENLEE Knockout Punches: insert in a knockout or drilled hole and turn drive nut with an ordinary wrench. Packed and sold individually.

## NOS. 741 AND 742 KNOCKOUT PUNCHES

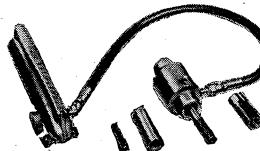
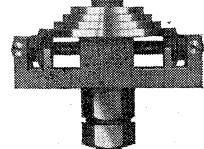
For quickly making smooth openings for  $3\frac{1}{2}$ " and 4" conduit. Hole is clean, no filing of burrs necessary. Operation is similar to that of other GREENLEE Knockout Punches. Simply insert in hole for 1" conduit and turn drive nut with an ordinary wrench.



## No. 740 Knockout Cutter

Companion tool to GREENLEE Knockout Punches. Enlarges knockouts to take  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$  and 3-inch conduit. Operation is simple since an ordinary wrench drives the tool. Cutting is done by the drive action of two wheel cutters. Special discs

can be furnished for cutting odd sizes of holes from  $1\frac{15}{16}$  to  $3\frac{1}{2}$ -inch diameter. Packed in leather case.



## NO. 7646 HYDRAULIC KNOCKOUT PUNCH DRIVER

A powerful portable hydraulic unit for driving all GREENLEE Knockout Punches. Also drives GREENLEE Radio Chassis Punches using  $\frac{3}{8}$ " or larger drive screws. Quickly, easily cuts holes in 10-gauge metal. Excellent for use in tight places. Packed in metal case. List price complete, \$96.00. Weight, 20 lbs.

## KNOCKOUT PUNCHES — LIST PRICES AND WEIGHTS (WTS. IN LBS.)

	Hole Size	Price	Weight
No. 735 Knockout Punch Set.....		\$11.00	$2\frac{1}{2}$
KR1 $\frac{1}{2}$ " Conduit Punch.....	$\frac{7}{8}"$	1.40	$\frac{1}{8}$
KR2 $\frac{1}{2}$ " Conduit Die.....	$\frac{7}{8}"$	.70	$\frac{1}{8}$
KR3 $\frac{3}{8}"$ x $1\frac{1}{2}$ " Drive Screw.....		.30	$\frac{1}{8}$
K11 $\frac{3}{4}$ " Conduit Punch.....	$1\frac{3}{8}"$	1.60	$\frac{3}{8}$
K12 $\frac{3}{4}$ " Conduit Die.....	$1\frac{3}{8}"$	.90	$\frac{3}{8}$
K13 1" Conduit Punch.....	$1-11/32"$	1.85	$\frac{5}{8}$
K14 1" Conduit Die.....	$1-11/32"$	1.05	$\frac{3}{8}$
K15 $1\frac{1}{4}$ " Conduit Punch.....	$1\frac{11}{16}"$	2.10	$\frac{5}{8}$
K16 $1\frac{1}{4}$ " Conduit Die.....	$1\frac{11}{16}"$	1.15	$\frac{3}{8}$
KR17 $\frac{3}{4}"$ x $2\frac{1}{4}$ " Drive Screw.....		.40	$\frac{3}{8}$
KR4 Heavy Duty Drive Nut.....		.40	$\frac{3}{8}$
KR5 Heavy Duty Drive Screw.....		.85	$\frac{3}{8}$
No. 737 Knockout Punch Set Complete.....		\$11.00	$3\frac{1}{2}$
K21 $1\frac{1}{2}$ " Conduit Punch.....	$1\frac{15}{16}"$	2.55	$\frac{3}{8}$
K22 $1\frac{1}{2}$ " Conduit Die.....	$1\frac{15}{16}"$	2.20	$\frac{3}{8}$
K23 2" Conduit Punch.....	$2\frac{3}{8}"$	3.50	$\frac{7}{8}$
K24 2" Conduit Die.....	$2\frac{3}{8}"$	2.75	1
KR25 $\frac{3}{4}"$ x 3" Drive Screw.....		.55	$\frac{3}{8}$
No. 738 Knockout Punch Complete.....		\$15.50	$4\frac{1}{2}$
K31 $2\frac{1}{2}$ " Conduit Punch.....	$2\frac{7}{8}"$	6.00	$1\frac{3}{8}$
K32 $2\frac{1}{2}$ " Conduit Die.....	$2\frac{7}{8}"$	5.50	$1\frac{1}{2}$
K34 Drive Nut.....		1.50	$\frac{1}{2}$
K35 $\frac{3}{4}"$ x $5\frac{3}{8}$ " Drive Screw...		3.00	$\frac{7}{8}$
No. 739 Knockout Punch Complete.....		\$21.00	$6\frac{1}{2}$
K34 Drive Nut.....		1.50	$\frac{1}{2}$
K35 $\frac{3}{4}"$ x $5\frac{3}{8}$ " Drive Screw...		3.00	$\frac{7}{8}$
K37 3" Conduit Punch.....	$3\frac{1}{2}"$	8.90	$2\frac{1}{2}$
K38 3" Conduit Die.....	$3\frac{1}{2}"$	8.25	$2\frac{1}{2}$
No. 741 Knockout Punch Complete.....		\$43.00	$10\frac{3}{4}$
K41 $3\frac{1}{2}$ " Conduit Die.....	$4"$	15.50	$3\frac{1}{4}$
K42 $3\frac{1}{2}$ " Conduit Punch.....	$4"$	20.00	3
K44 Drive Nut.....		2.20	$1\frac{1}{4}$
K45 $1\frac{1}{8}$ " x $6\frac{3}{4}$ " Drive Screw...		6.60	$2\frac{1}{4}$
K46 Bushing.....		2.50	$\frac{5}{8}$
K47 4" Conduit Punch.....	$4\frac{1}{2}"$	26.50	$4\frac{1}{2}$
K48 4" Conduit Die.....	$4\frac{1}{2}"$	20.00	$3\frac{1}{2}$
No. 740 Knockout Cutter Complete.....		\$16.50	$4\frac{3}{4}$
K51 Lock Screw (2).....		.35	$\frac{3}{32}$
K52 Wheel Cutter (2).....		.60	$\frac{3}{32}$
K53 Feed Nut.....		.30	$\frac{1}{16}$
K54 $1\frac{1}{8}$ " dia. Disc.....		.75	$\frac{1}{16}$
K55 $2\frac{3}{8}$ " dia. Disc.....		.90	$\frac{1}{8}$
K56 $2\frac{3}{8}$ " dia. Disc.....		1.10	$\frac{1}{8}$
K57 $3\frac{1}{2}$ " dia. Disc.....		1.30	$\frac{1}{2}$
K58 Body.....		6.00	$1\frac{3}{8}$
K59 Center Shaft.....		.90	$\frac{1}{2}$
K60 Drive Nut.....		.90	$\frac{1}{16}$
K61 Retainer Screw (2).....		.50	$\frac{1}{16}$
K62 Cutter Bushing (2).....		.30	$\frac{3}{32}$
K63 Cutter Support (2).....		.70	$\frac{1}{8}$
K64 Key Washer.....		.30	$\frac{3}{32}$
K65 Woodruff Key.....		.10	$\frac{3}{32}$

TOOLS FOR CRAFTSMEN



# RADIO CHASSIS PUNCHES

## ROUND, SQUARE, "KEY" AND "D" TYPES

Greenlee Tool Co., Rockford, Illinois



No. 730

**No. 730 ROUND PUNCH**

Swiftly cuts clean, accurate holes in radio chassis for sockets, switches, controls and other equipment. Operates simply with an ordinary wrench for drive power . . . just insert in a small drilled hole and turn drive screw. No reaming or filing . . . hole is smooth, perfect. Twenty sizes from  $\frac{1}{2}$  to  $2\frac{1}{2}/32$ " diameter.



No. 731

**No. 731 SQUARE PUNCH**

Cuts square or oblong openings as desired. Available in four sizes for making  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ " and 1" square holes. Drive screw fits into  $\frac{1}{2}$ " hole, which can be drilled or made with  $\frac{1}{2}$ " No. 730 Greenlee Round Punch. Operates with an ordinary wrench for drive power. Individually packed.



No. 732

**No. 732 "KEY" PUNCH**

Quickly, easily cuts holes for keyed radio sockets. Operates on same principle as other Greenlee Radio Chassis Punches . . . an ordinary wrench supplies the drive power. In five sizes to make openings of  $15/32$ ",  $15/16$ ",  $1-11/64$ ",  $1-17/64$ ",  $1-21/64$ ". Drive screw fits into  $\frac{1}{2}$ " hole. Individually packed.



No. 733

**No. 733 "D" PUNCH**

Simplifies and speeds the work of making "D" shaped openings for high-frequency, miniature tube sockets and other equipment using this type opening. Available in  $\frac{1}{2}$ " and  $\frac{5}{8}$ " sizes. Operates on same principle as other Greenlee Radio Chassis Punches with an ordinary wrench supplying the drive power. Drive screw fits into  $\frac{3}{8}$ " drilled hole. Individually packed.

**NO. 730 ROUND RADIO PUNCHES —  
LIST PRICES**

	Price
$\frac{1}{2}$ " Punch Complete	\$2.40
R1 $\frac{1}{2}$ " Punch	.40
R2 $\frac{1}{2}$ " Die	.70
R3 $\frac{1}{4}$ " Screw	.30
$\frac{5}{8}$ " Punch Complete	2.40
R5 $\frac{5}{8}$ " Punch	.40
R6 $\frac{5}{8}$ " Die	.70
R3 $\frac{1}{4}$ " Screw	.30
$11/16$ " Punch Complete	2.40
R98 $11/16$ " Punch	.40
R99 $11/16$ " Die	.70
KR3 $\frac{3}{8}$ " Screw	.30
$\frac{3}{4}$ " Punch Complete	2.40
R7 $\frac{3}{4}$ " Punch	.40
R8 $\frac{3}{4}$ " Die	.70
KR3 $\frac{3}{8}$ " Screw	.30
$13/16$ " Punch Complete	2.40
R100 $13/16$ " Punch	.40
R101 $13/16$ " Die	.70
KR3 $\frac{3}{8}$ " Screw	.30
$\frac{7}{8}$ " Punch Complete	2.40
KR1 $\frac{7}{8}$ " Punch	.40
KR2 $\frac{7}{8}$ " Die	.70
KR3 $\frac{3}{8}$ " Screw	.30
1" Punch Complete	2.60
R11 $1"$ Punch	.50
R12 $1"$ Die	.80
R13 $\frac{3}{8}$ " Screw	.30
$1-1/16$ " Punch Complete	2.75
R15 $1-1/16$ " Punch	.60
R16 $1-1/16$ " Die	.85
R13 $\frac{3}{8}$ " Screw	.30
$1\frac{1}{8}$ " Punch Complete	2.75
R17 $1\frac{1}{8}$ " Punch	.60
R18 $1\frac{1}{8}$ " Die	.85
R13 $\frac{3}{8}$ " Screw	.30
$1-5/32$ " Punch Complete	2.75
R19 $1-5/32$ " Punch	.60
R20 $1-5/32$ " Die	.85
R13 $\frac{3}{8}$ " Screw	.30
$1-3/16$ " Punch Complete	2.75
R21 $1-3/16$ " Punch	.60
R22 $1-3/16$ " Die	.85
R13 $\frac{3}{8}$ " Screw	.30

**1  $\frac{1}{4}$ " Punch Complete**R23  $1\frac{1}{4}$ " Punch . . . . .R24  $1\frac{1}{4}$ " Die . . . . .R13  $\frac{3}{8}$ " Screw . . . . .**1  $\frac{3}{8}$ " Punch Complete**R25  $1\frac{3}{8}$ " Punch . . . . .R26  $1\frac{3}{8}$ " Die . . . . .R13  $\frac{3}{8}$ " Screw . . . . .**1  $\frac{1}{2}$ " Punch Complete**R27  $1\frac{1}{2}$ " Punch . . . . .R28  $1\frac{1}{2}$ " Die . . . . .R13  $\frac{3}{8}$ " Screw . . . . .**1  $\frac{5}{8}$ " Punch Complete**R29  $1\frac{5}{8}$ " Punch . . . . .R30  $1\frac{5}{8}$ " Die . . . . .KR17  $\frac{3}{4} \times 2\frac{1}{4}$ " Screw . . . . .**1  $\frac{3}{4}$ " Punch Complete**R31  $1\frac{3}{4}$ " Punch . . . . .R32  $1\frac{3}{4}$ " Die . . . . .KR17  $\frac{3}{4} \times 2\frac{1}{4}$ " Screw . . . . .**1  $\frac{7}{8}$ " Punch Complete**R33  $1\frac{7}{8}$ " Punch . . . . .R34  $1\frac{7}{8}$ " Die . . . . .KR25  $\frac{3}{4} \times 3$ " Screw . . . . .**2" Punch Complete**

R35 2" Punch . . . . .

R36 2" Die . . . . .

KR25  $\frac{3}{4} \times 3$ " Screw . . . . .**2  $\frac{1}{4}$ " Punch Complete**R37 2  $\frac{1}{4}$ " Punch . . . . .R38 2  $\frac{1}{4}$ " Die . . . . .KR25  $\frac{3}{4} \times 3$ " Screw . . . . .**2  $\frac{5}{8}$ " Punch Complete**R108 2  $\frac{5}{8}$ " Punch . . . . .R109 2  $\frac{5}{8}$ " Die . . . . .KR25  $\frac{3}{4} \times 3$ " Screw . . . . .**2-25/32" Punch Complete**

R108 2-25/32" Punch . . . . .

R109 2-25/32" Die . . . . .

KR25  $\frac{3}{4} \times 3$ " Screw . . . . .**2-5/32" Punch Complete**

R104 2-5/32" Punch . . . . .

R105 2-5/32" Die . . . . .

R106  $\frac{3}{8}$ " Drive Screw . . . . .

R107 Drive Nut . . . . .

**Price**2.75       $\frac{5}{8}$ " Punch Complete . . . . .1.60       $\frac{5}{8}$ " Square Punch . . . . ..85       $\frac{5}{8}$ " Square Die . . . . .

.65      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**3/4" Punch Complete**1.85       $\frac{3}{4}$ " Punch . . . . .1.00       $\frac{3}{4}$ " Die . . . . .

.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1" Punch Complete**

2.10      1" Punch . . . . .

1.15      1" Die . . . . .

.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-11/64" Punch Complete**

2.40      1-11/64" Punch . . . . .

1.50      1-11/64" Die . . . . .

.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-17/64" Punch Complete**

2.45      1-17/64" Punch . . . . .

1.75      1-17/64" Die . . . . .

1.25      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

4.45      1-21/64" Punch . . . . .

1.90      1-21/64" Die . . . . .

1.30      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

4.75      1-21/64" Punch . . . . .

1.90      1-21/64" Die . . . . .

1.30      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

5.00      1-21/64" Punch . . . . .

2.00      1-21/64" Die . . . . .

1.40      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

5.25      1-21/64" Punch . . . . .

2.25      1-21/64" Die . . . . .

1.40      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

5.50      1-21/64" Punch . . . . .

2.50      1-21/64" Die . . . . .

1.50      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

5.75      1-21/64" Punch . . . . .

2.75      1-21/64" Die . . . . .

1.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

6.00      1-21/64" Punch . . . . .

3.00      1-21/64" Die . . . . .

2.00      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

6.25      1-21/64" Punch . . . . .

3.25      1-21/64" Die . . . . .

2.00      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

6.50      1-21/64" Punch . . . . .

3.50      1-21/64" Die . . . . .

2.25      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

6.75      1-21/64" Punch . . . . .

3.75      1-21/64" Die . . . . .

2.50      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

7.00      1-21/64" Punch . . . . .

4.00      1-21/64" Die . . . . .

2.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

7.25      1-21/64" Punch . . . . .

4.25      1-21/64" Die . . . . .

2.90      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

7.50      1-21/64" Punch . . . . .

4.50      1-21/64" Die . . . . .

3.00      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

7.75      1-21/64" Punch . . . . .

4.75      1-21/64" Die . . . . .

3.25      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

8.00      1-21/64" Punch . . . . .

5.00      1-21/64" Die . . . . .

3.50      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

8.25      1-21/64" Punch . . . . .

5.25      1-21/64" Die . . . . .

3.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

8.50      1-21/64" Punch . . . . .

5.50      1-21/64" Die . . . . .

4.00      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

8.75      1-21/64" Punch . . . . .

5.75      1-21/64" Die . . . . .

4.25      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

9.00      1-21/64" Punch . . . . .

6.00      1-21/64" Die . . . . .

4.50      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

9.25      1-21/64" Punch . . . . .

6.25      1-21/64" Die . . . . .

4.75      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

9.50      1-21/64" Punch . . . . .

6.50      1-21/64" Die . . . . .

5.00      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

9.75      1-21/64" Punch . . . . .

6.75      1-21/64" Die . . . . .

5.25      31/64" Drive Screw . . . . .

.20      Drive Nut . . . . .

**1-21/64" Punch Complete**

10.00      1-21/64" Punch . . . . .

7.00      1-21/64" Die .